

Product Datasheet

General Tetrahydrobiopterin (THB) ELISA Kit (orb1946757)

Catalog Number	orb1946757
Category	Assays and Kits
Description	General Tetrahydrobiopterin (THB) ELISA Kit
Target	THB
Reactivity	All
Application notes	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Tetrahydrobiopterin(THB) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Tetrahydrobiopterin(THB). Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Tetrahydrobiopterin(THB) in the samples is then determined by comparing the OD of the samples to the standard curve.
Assay Type	Competitive
Assay Time	1.5H
Standard	100 ng/mL
Range	1.57-100ng/mL
Sensitivity	0.51 ng/mL
Sample Types	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

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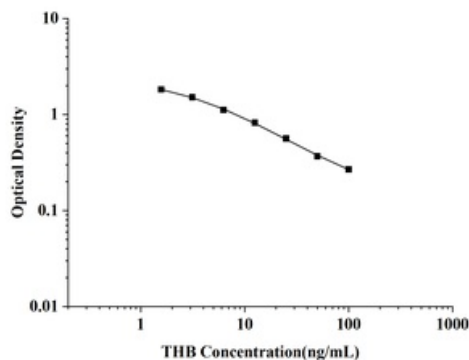
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Note

For research use only

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